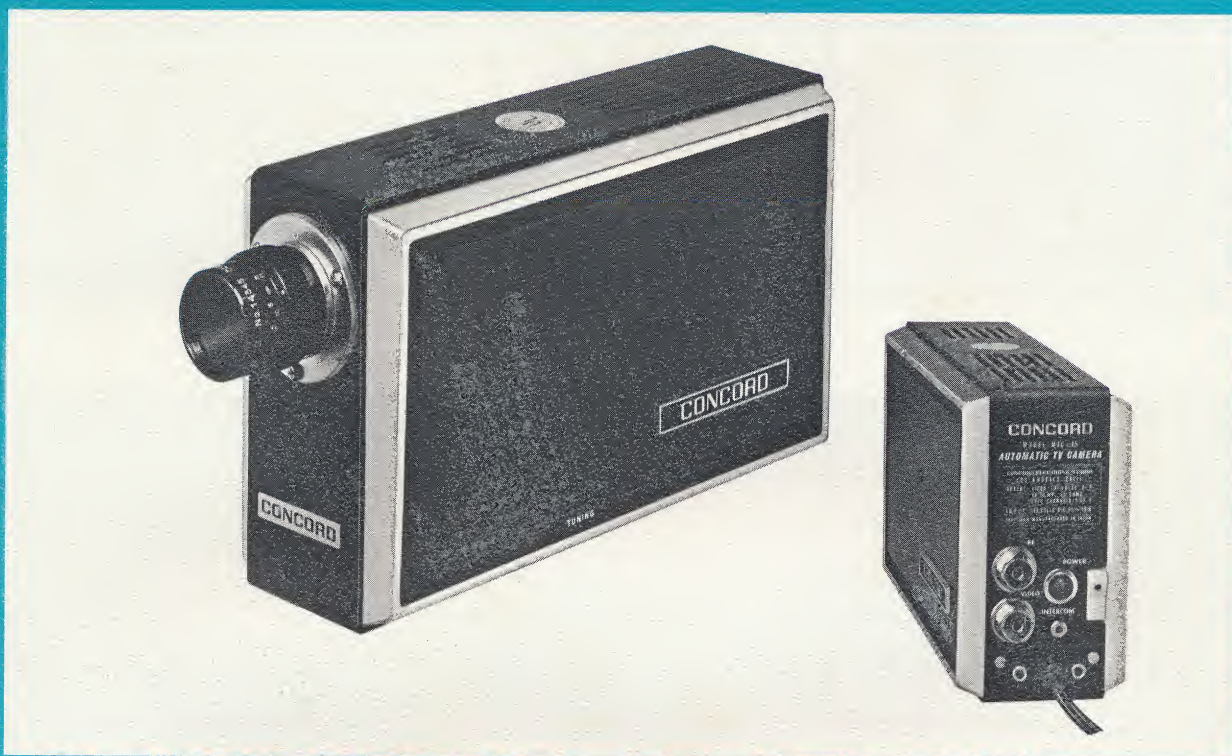


# CONCORD CLOSED-CIRCUIT TELEVISION CAMERA MODEL MTC-15



**AN INDUSTRIAL INSTRUMENT DESIGNED FOR CONTINUOUS-DUTY CLOSED CIRCUIT  
TELEVISION AND VIDEO TAPE RECORDING APPLICATIONS**

#### **EASY INSTALLATION . . .**

The completely automatic MTC-15 has no controls to adjust. Just plug in and focus. Circuitry automatically compensates for changing light or voltage conditions.

#### **RELIABLE SOLID STATE CONSTRUCTION . . .**

No tubes except the vidicon. High quality selected electronic components assure reliable continuous-duty operation — maintenance free.

#### **LONG LIFE VIDICON . . .**

Newly-developed sensitive vidicon tube provides hours of continuous-duty operation for closed circuit television applications.

#### **HIGH RESOLUTION . . .**

Picture quality superior to commercial television broadcasts.

#### **VERY LOW OPERATING COST . . .**

Draws less than 5 watts of power. Operates for negligible cost.

#### **VERSATILE . . .**

With both RF and video outputs, the MTC-15 may be used to replace obsolete high-maintenance tube-type television cameras. Connects to any RF or video closed circuit television system or video tape recorder. Both outputs may be used simultaneously. High level video output permits long cables without the need for video amplifiers. Equipped with intercom jacks for two-way audio communication.

#### **LOW COST SYSTEM . . .**

Using built-in RF output, the MTC-15 connects to the antenna terminals of any standard television receiver and provides excellent picture quality. A system with one camera and one receiver costs as little as \$500. A single television receiver can monitor six or more cameras from as many different locations with selective switching at a system cost of under \$3,000 — one-fourth the cost of other systems.

#### **OPERATIONAL FLEXIBILITY . . .**

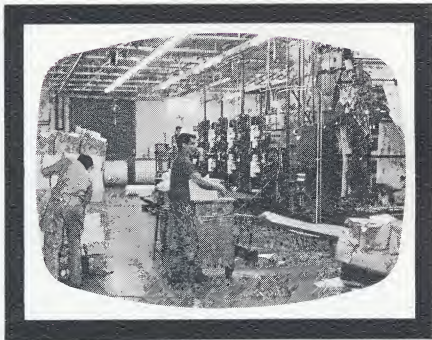
New low cost Z-5528 zoom lens provides for wide range of operation. Outstanding performance for video tape recording. Wide angle, close-up and other lenses available. Adaptor available for use with 35 millimeter lenses.





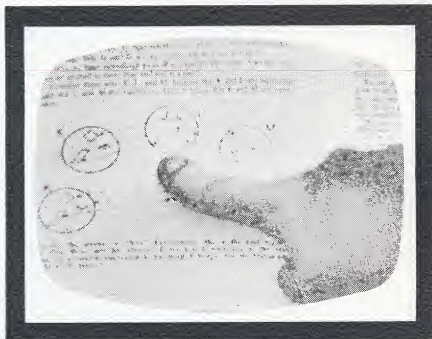
### HOSPITALS . . .

Concord closed circuit television systems are being used to transmit needed information such as X-ray negatives from the developing room to the operating room where the surgical team refers to them during an operation. Hospital wards are equipped with closed circuit television whereby intensive care patients are continuously monitored at the nurses' station. Laboratory analysis is facilitated by the mounting of a TV camera on a microscope and projection of the image on a large screen video monitor.



### INDUSTRY . . .

The flow of material in a manufacturing process is monitored through the use of closed circuit television to avoid trouble spots. Closed circuit television provides enlarged views of small parts for improved quality control and reduction in operator fatigue. Enlarged views of microminiature assembly operations help maintain peak operator efficiency.



### EDUCATION . . .

Simultaneous classes for large numbers of students are held via closed circuit television. Instruction that requires individual observation such as examination of a biological specimen through a microscope is simultaneously viewed by a large class through the use of a television camera mounted on the microscope. The entire school body can be addressed without the necessity of their assembly in one room.



### SECURITY . . .

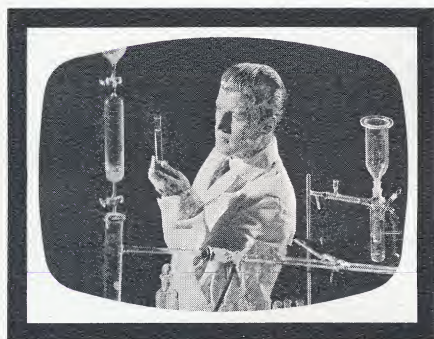
A single security officer monitors a number of access gates to one complex. Shipping docks and warehouses are monitored to prevent vandalism and theft.





### COMMERCE . . .

Banks use closed circuit television for both security and information transmission. Supermarkets and department stores put in-store advertising on strategically located large screen monitors. Executive conferences are held via closed circuit television.



### RESEARCH . . .

Tests and operations that would endanger human life, such as the handling of radioactive materials are monitored by a television camera. Observation of personnel in test chambers is accomplished by closed circuit television systems. Systems are used for missile surveillance at rocket test sites.



### VIDEO TAPE RECORDING

CONCORD, A MAJOR MANUFACTURER OF VIDEO TAPE RECORDERS, has selected the MTC-15 camera for use with the Concord VTR-600 industrial video tape recording system. Due to its quality, high resolution, and ease of operation, the MTC-15 is a perfect match for the VTR-600 industrial video tape recorder.



## FEATURES

Equipped with fast, f/1.8 lens; other lenses available

High-quality, long-life, high-sensitivity vidicon tube

Bright, clear, sharp, high-definition picture

RF and video output

Electronic light-compensation circuitry automatically adjusts for light conditions

Solid-state reliability

Rugged construction

Connects to antenna terminals of standard TV receiver or input of video monitor

High output permits long distances between camera and receiver

Intercom jack for two-way audio communication

## SPECIFICATIONS

HORIZONTAL SCANNING FREQUENCY...15,750 cycles

VERTICAL SCANNING FREQUENCY .....60 cycles

SCANNING SYSTEM .....Random interlacing

SYNCHRONIZING SYSTEM .....Synchronous to AC power line

VIDEO BANDWIDTH .....6 mc

RF CARRIER FREQUENCY .....76-88 mc (tunable to channels 5 and 6)

OUTPUT IMPEDANCE .....75 ohms

OUTPUT VOLTAGE .....RF: Over 30 mv  
Video: 1.4 volts

CAMERA TUBE .....Vidicon 7262A

MINIMUM LIGHT INTENSITY .....40 Lux, f/1.8 lens

LINE RESOLUTION .....550 lines

PERMISSIBLE ENVIRONMENTAL

TEMPERATURES .....+25°F to +110°F

STANDARD LENS .....f/1.8, 25-mm C-mount (lens can be changed; automatic light-level-change compensation operates with any other lenses)

POWER REQUIREMENTS .....105-130 volts, 60 cycles, 5 watts

EXTERNAL DIMENSIONS .....3" W x 5" H x 9½" D

WEIGHT .....6 lbs.

AC CORD .....10 ft.

## ACCESSORIES:

The MTC-15 is supplied with complete interconnecting accessories:

1. 15 ft. Coaxial cable with connectors attached.
2. 75 ohm to 300 ohm matching adaptor for RF use.
3. Extra pair of coaxial connectors and coaxial coupler.



TVL-12  
1" high speed  
lens F/.95



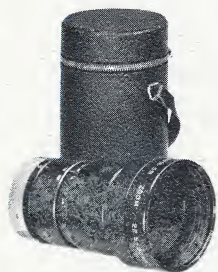
TVL-20  
½" wide angle  
lens F/1.4



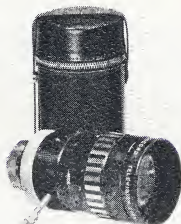
TVL-76  
3" telephoto  
lens F/1.4



VWF-1  
View finder



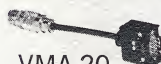
Z-9015  
22.5-90 MM  
zoom lens F/1.5



Z-5528  
20-55 MM  
zoom lens F/2.8



MR 600 Monitor



VMA 20  
Connector



TPR-16 Tripod



MTB-1 Wall Mount

**CONCORD ELECTRONICS CORP.**

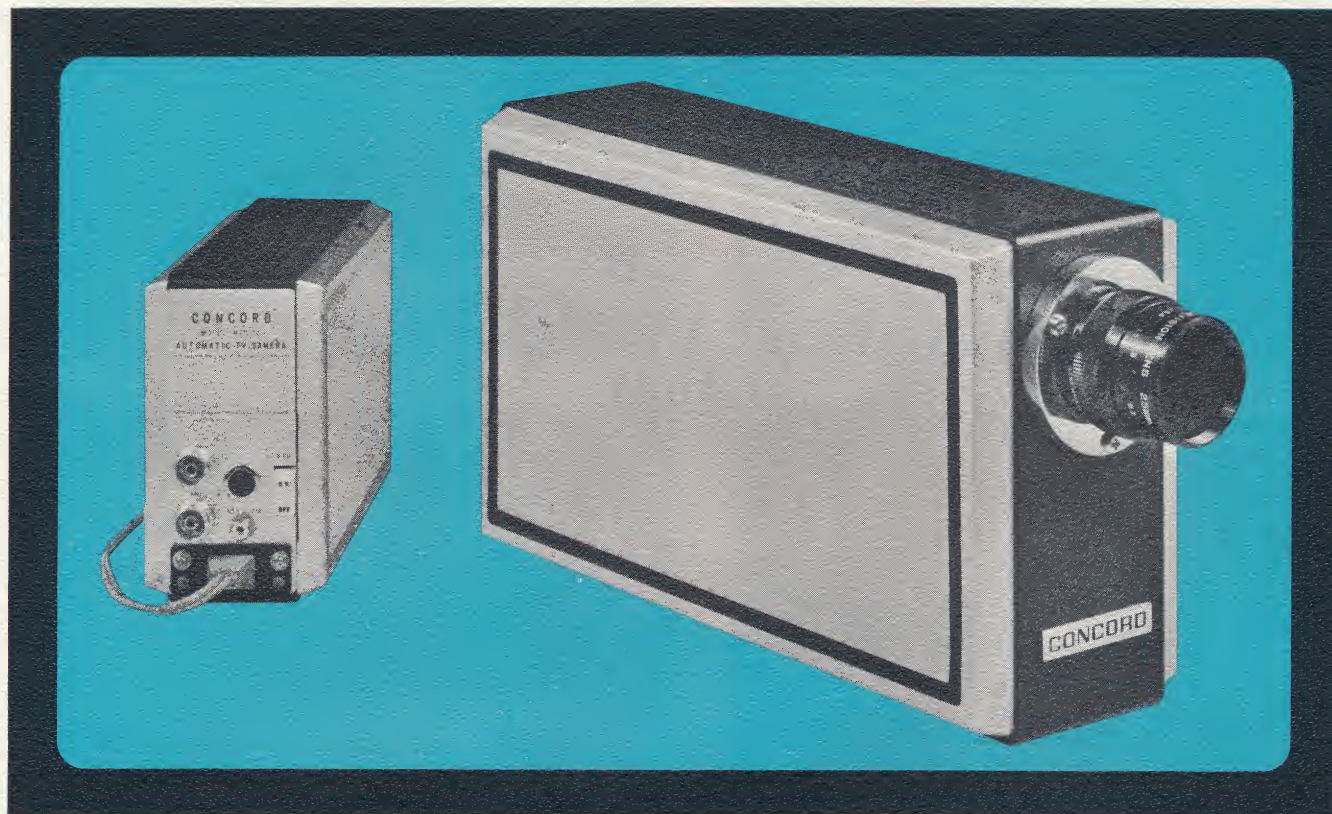
INDUSTRIAL PRODUCTS DIVISION

1935 Armacost Ave., Los Angeles, California 90025

DISTRIBUTED BY:



# CONCORD AUTOMATIC CLOSED-CIRCUIT TELEVISION CAMERA MODEL MTC-12



## New Low Price Makes Closed-Circuit Television Practical for the First Time!

The introduction of Concord's solid-state MTC-12 means that anyone can now afford a high-quality closed-circuit television camera! The reliable MTC-12, selling for less than \$300, has unlimited application in business, industry, education, and the home.

The camera is simple to install, simple to operate. Because the advanced-design MTC-12 can be used with any television set or video monitor, it is now possible to have a complete closed-circuit TV system for less than \$400!

### **SIMPLE TO INSTALL**

Connect the MTC-12 to the antenna

input of any television set or video monitor. On a standard TV set, the picture appears on channel 5 or 6, and the receiver can still be used for standard broadcast reception.

### **SIMPLE TO OPERATE**

The MTC-12's compact size permits unobtrusive mounting, and once focused the camera needs no further attention. Electronic circuit automatically adjusts camera for perfect picture under varying light conditions.

### **RUGGED RELIABILITY**

Rugged solid-state design ensures years

of reliable, continuous-duty operation. Each camera is carefully inspected and meets rigid quality-assurance controls at every stage of production.

### **A VERSATILE, QUALITY INSTRUMENT FOR JUST \$299.50!**

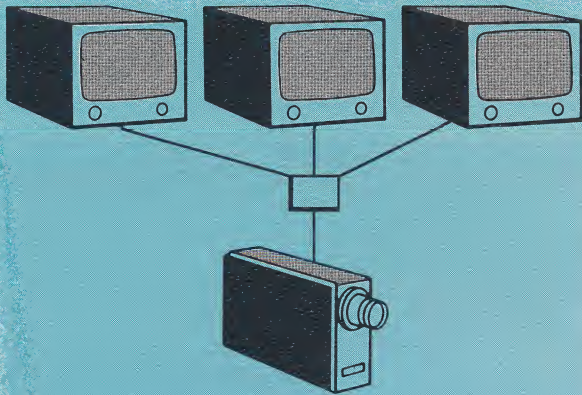
Its low price makes the MTC-12 closed-circuit TV camera a practical tool for surveillance, pilferage control, sales and service training, teaching, in-store promotions, exhibits and displays, and any applications where widely separated scenes must be observed from one location, or one scene must be observed by many viewers.

## FEATURES

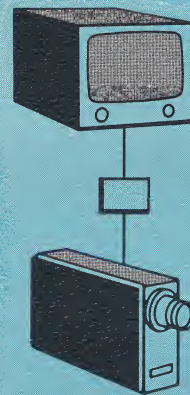
- RF and video output
- Electronic light-compensation circuitry automatically adjusts for light conditions
- Solid-state reliability
- Rugged construction
- Equipped with fast, f/1.8 lens; other lenses available
- High-quality, long-life, high-sensitivity vidicon tube
- Bright, clear, sharp, high-definition picture
- Connects to antenna terminals of standard TV receiver or input of video monitor
- High output permits long distances between camera and receiver
- Intercom jack for two-way audio communication



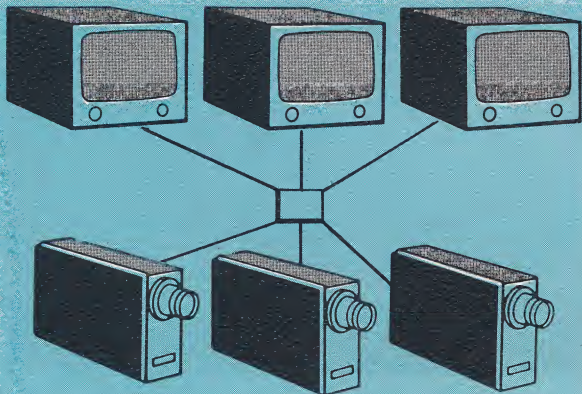
## 4 BASIC SYSTEMS WITH THE VERSATILE MTC-12 CCTV CAMERA



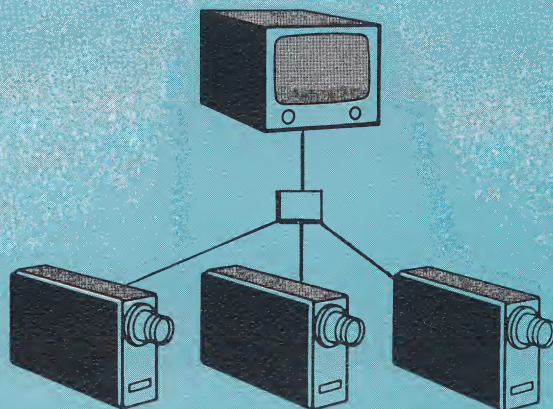
**One MTC-12, several receivers. The same picture can be observed at various receiver locations. System cost \$750.**



**One MTC-12, one receiver. Provides camera coverage of one location with a single viewing point. System cost \$450.**



**Several MTC-12's, several receivers. Cameras and monitors can be placed at various locations, and the pictures of all cameras can be selectively viewed on all receivers. System cost \$1350.**



**Several MTC-12's, one receiver. Cameras can be placed at various locations, and the pictures of all cameras can be selectively viewed on the receiver. System cost \$1050.**

## SPECIFICATIONS MODEL MTC-12

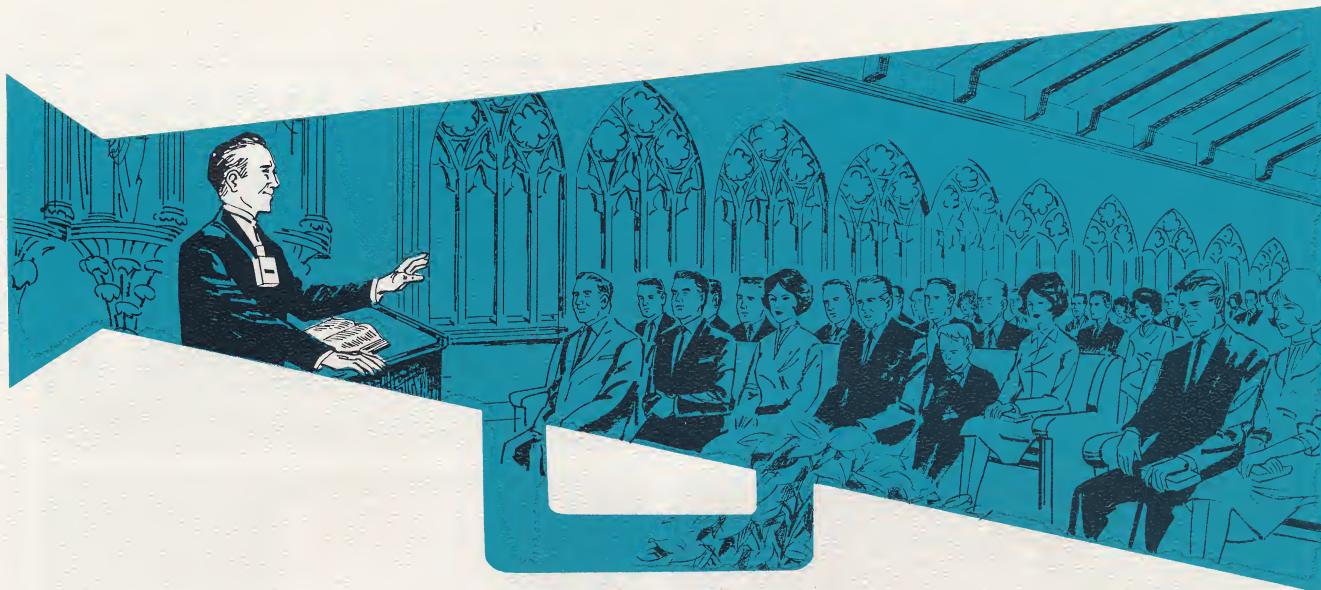
HORIZONTAL SCANNING FREQUENCY . . .	15,750 cycles	PERMISSIBLE ENVIRONMENTAL	
VERTICAL SCANNING FREQUENCY . . .	60 cycles	TEMPERATURES . . . . .	+25°F to +110°F
SCANNING SYSTEM . . . . .	Random interlacing	STANDARD LENS . . . . .	f/1.8, 25-mm C-mount (lens can be changed; automatic light-level-change compensation operates with any other lenses)
SYNCHRONIZING SYSTEM . . . . .	Synchronous to AC power line	POWER REQUIREMENTS . . .	105-130 volts, 60 cycles, 11 watts
VIDEO BANDWIDTH . . . . .	5 mc	EXTERNAL DIMENSIONS . . .	3"W x 5 1/4"H x 9 3/8"D
RF CARRIER FREQUENCY . . . . .	76-88 mc (tunable to channels 5 and 6)	WEIGHT . . . . .	9 lbs.
OUTPUT IMPEDANCE . . . . .	75 ohms	AC CORD . . . . .	10 ft.
OUTPUT VOLTAGE . . . . .	RF: Over 30 mv Video: 1.4 volts	ACCESSORIES INCLUDED . .	Coaxial cable, 18 feet; junction box with 75- to 300-ohm impedance-matching transformer
CAMERA TUBE . . . . .	Vidicon 7735A		
MINIMUM LIGHT INTENSITY . . . . .	40 Lux, f/1.8 lens		

**CONCORD ELECTRONICS CORP.**

INDUSTRIAL PRODUCTS DIVISION  
1935 Armacost Ave., Los Angeles, California 90025

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## CORDLESS FM MICROPHONE SYSTEM **MODEL WX-8510**



### A public-address system that offers complete freedom of movement

This new Concord P.A. system completely eliminates trailing wires underfoot, giving you complete mobility without regard to microphone placement. The cordless microphone broadcasts via FM signal to the receiver amplifier, which picks up the signal and amplifies it for the audience to hear. You can hold the mike in your hand or hang it lavalier-fashion around your neck. Your voice will be transmitted and amplified to cover a room holding 100-150 people.

The compact, lightweight Cordless Microphone System is ideal for working with charts and graphs in an auditorium, interviewing, sales meetings, schools, industry — anywhere you want to address large groups of people without having to stand in front of a stationary microphone or dragging around a microphone cord.

Concord's WX-8510 is especially suited to churches, where the pastor can move about while talking or reading to his congregation. There is prac-

tically no danger of picking up stray signals, as with other cordless systems, because of Concord's special null meter. By searching out interference beforehand and then using the meter to peak the receiver/amplifier at a different point, virtually interference-free broadcast can be ensured. No technical knowledge is required to perform this simple operation or use the system, and the required license application is packed with unit. (License is issued without examination.)

### FEATURES

#### **WX-101 CORDLESS MICROPHONE**

Lavalier holster and clip / Adjustable tuning screw / Operates from standard 9-volt transistor battery / Gives user complete mobility.

#### **DELUXE WIRELESS AMPLIFIER**

Operates on AC, 12v DC battery eliminator, or

12v DC car battery, 10 D cells / Automatic variable squelch to eliminate electromagnetic background noise / Tunable  $\pm 500$  KC / Can be used in large area with standard FM antenna, antenna loop, or by simply making a loop out of a piece of wire / Built-in battery tester for

checking life of microphone batteries / Telescoping whip antenna / Can be used as an amplifier and speaker system for record player or tape recorder / Two volume controls, 1 for plug-in input, 1 for cordless input / Automatic frequency control / Automatic variable squelch / Power source selector.



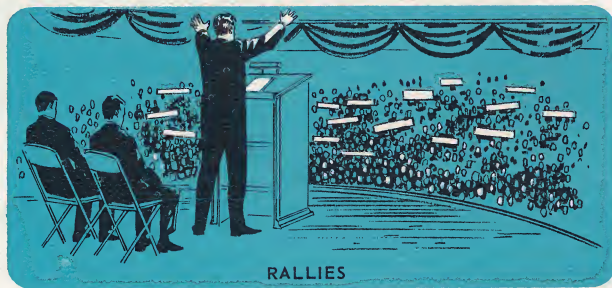
# CONCORD CORDLESS AMPLIFIER SYSTEM



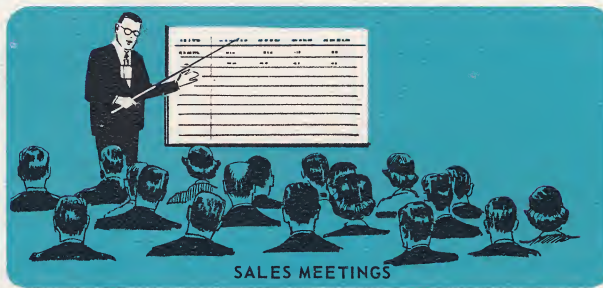
SECURITY & SURVEILLANCE



SPORTING EVENTS



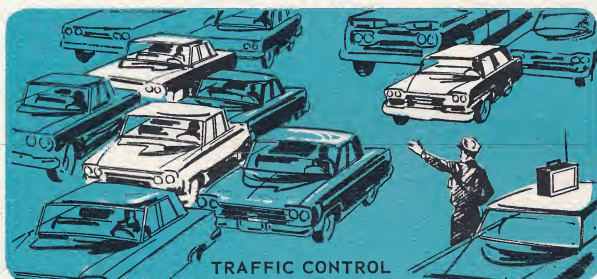
RALLIES



SALES MEETINGS

## SPECIFICATIONS

- TRANSMITTING FREQUENCY: 33.14 mc (license application packed with unit)
- OUTPUT POWER: 5W nominal
- POWER CONSUMPTION: 26W
- ELECTRONICS (ALL-SOLID-STATE): 15 transistors, 13 diodes, 1 RF amplifier, 3 IF stages
- SPEAKER: 7-9/10" x 4-7/10" oval
- OUTPUTS: External antenna, auxiliary amplifier system, external speakers, tape recorder
- INPUTS: Microphone input jack (with volume control), phono pickup input jack (with volume control), tape recorder input jack (with volume control)
- POWER SOURCE OPTIONS: Conventional 117-volt, 60-cycle power line, 10 standard "D" cell flashlight batteries, external 12-volt source
- CASE: Wooden with leather cloth covering
- SIZE: 10½ x 16½ x 5½
- WEIGHT: 11 pounds



TRAFFIC CONTROL



RECREATION



## CONCORD MODEL WX-150 CORDLESS MICROPHONE

This lightweight, battery-operated microphone transmits directly to the receiver/amplifier without requiring any intervening wires. The microphone is the highest-quality condenser-type for extreme clarity

and fidelity. It may be held in the hand, set on a stand, or hung around the neck, and includes unit strap and swivel. WX-150 operates on a standard 22½-volt battery (Eveready type 412 or equivalent).

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